

ACEC/NC/DOT BRIDGE SUBCOMMITTEE

Minutes of November 5, 2007 Meeting
Structure Design Conference Room B
November 5, 2007, 10:30 am

Attendees

Greg Perfetti – NCDOT Structure Design Unit
Allen Raynor – NCDOT Structure Design Unit
Lonnie Brooks – NCDOT Structure Design Unit
Dan Holderman – NCDOT Bridge Maintenance Unit
Jerry Carter – Vaughn & Melton
David Peterson – RK&K
David Simpson – Simpson Engineers
Peter Graf – LPA
Domenic Coletti – HDR
Rodney E. Money – T.Y. Lin International

New Members

Dan Holderman of the Bridge Maintenance Unit has joined the Bridge Subcommittee.

Training

Domenic Coletti presented the results of the High Performance Steel workshop questionnaire. The workshops continue to be successful.
The next workshop on LRFR Load Rating is scheduled for Monday, December 3. The workshop will be held at the Wake Commons Building.

- LRFR Load Rating – Monday, December 3, 2007
PEF Speaker: Bala Sivakumar (Transystems/Lichtenstein)
NCDOT Speaker: TBD

The next workshop, targeted for March/April 2008, will include highlights to the new Structure Design Manual. Allen Raynor will check with the Geotechnical Unit about presenting on foundation design following the LRFD design code.

As reported by the Technology/Joint Training Subcommittee, a one day or four day NHI LRFD course may be available. The subcommittee agrees that a four day course is too large of a commitment and prefers to pursue a one day course. Rodney Money will coordinate this with the Technology/Joint Training Subcommittee.

Conversion to LRFD

Allen Raynor provided an update to the conversion to LRFD. A new Structure Design Manual will be available on Structure Design web page in December. The new manual will incorporate Policy Memos to date. English units will be prime with metric units shown as secondary.

The new Structure Design Manual is to be used on future design-build and traditionally advertised structure design projects.

Design-Build Project Design Scores

Peter Graf reported that he discussed the possibility of receiving design scores for design-build projects with the Design-Build Subcommittee. This topic may be discussed within the Design Build Industry Group and then brought before the Transportation Subcommittee.

Structure Policy Memos

Allen Raynor stated a new policy memo regarding TVA Submittal Guidelines has been issued.

Anticipated Advertisements/Workload

Lonnie Brooks identified the following projects as potential advertisements for PEFs.

- R-4047 (NC 209 at Lake Junaluska), 1 railroad underpass, April 2008 advertisement
- R-2633B (Wilmington Bypass), 20 bridge sites, May 2008 advertisement
- U-2579B (Winston-Salem NE Beltway), 1 railroad overpass, April 2008 advertisement
Note: 9 grade separations with a let date of September 2010, but no advertisement date is set.
- I-3819 (I-40/I-77 Interchange), 18 bridge sites, October 2008 advertisement

Other

Greg Perfetti provided an update from the Transformation Management Team. The TMT will look to identify priority projects; the R-2633B, U-2579B and I-3819 projects are likely candidates. The TMT will also look to establish Subregional Tier Design Standards and potential projects to streamline the delivery of these projects.

Meeting Schedule

The next two meetings are scheduled for Monday, February 4, 2008 and Monday, May 5, 2008 at 10:30am in the Structure Design Conference Room B.